

MINERALISASI EMAS DAN MINERAL PENGIKUTNYA DI DAERAH NIRMALA, BOGOR, JAWA-BARAT

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ABSTRAK

Penelitian terletak di Dusun Nirmala, Desa Malasari, Kecamatan Nanggung, Kabupaten Bogor, Propinsi Jawa Barat. Litologi daerah telitian tersusun atas dua satuan batuan yaitu satuan tuf lapili dan satuan breksi tuf dengan dua bentukan lahan geomorfik yaitu perbukitan vulkanik bergelombang kuat dan perbukitan bergelombang sedang. Alterasi hidrotermal yang terbentuk di daerah telitian dikelompokkan menjadi dua tipe alterasi yaitu alterasi argilik dan alterasi kloritisasi. Mineralisasi yang dijumpai di daerah telitian adalah pirit, kalkopirit, bornit dan galena. Di daerah telitian mineralisasi dikontrol oleh struktur geologi berupa kekar dan sesar mendatar. Mineralisasi secara dominan dan banyak dijumpai pada uarat kuarsa yang mengisi kekar-kekar terutama *shear fracture* yang secara umum berarah timur laut – barat daya dan barat laut – tenggara, dengan arah tegasan pada kekar-kekar yang diukur di lapangan relatif berarah utara-selatan.

ABSTRACT

Research located in Nirmala Orchard, Countryside Malasari, Subdistrict Nanggung, Regency Bogor, West Java Province. Lithology of this area lapp over for two set of the rock that is set of tuf lapili and set of breksi tuf with two notching of farm of geomorfik that is hilly surging and strong surging vulkanik. Hidrotermal alteration formed grouped to accurate area become two type of alteration that is argilic alteration and clhorite altertion. Mineralisation met accurate area pursuant are pyrit, chalcopryrite, bornit and galena. In accurate area of mineralisation controlled by structure of geology in the form of fault and crack. Where mineralisation abundance and a lot of met to fill crack especially shear fracture owning trend of north-east direction - southwest and northwest - southeast, with direction of strong force measured in field relative instruct north-south. Area to be developed or the new area for exploration of gold and sediment of other ore, inferential that analysis model deposit can assist in localizing area of mineralisasi because of basically the determination of model deposit represent method of elementary exploration in determining mineralisation model deposit of gold ore from epitermal system.